

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	1	(switch\$4 and resistor and brak\$4 and overcurrent and speed and duty).clm.	US-PGPUB	OR	ON	2007/02/03 18:27

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"2000270577"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 01:10
S11 7	173	318/801 and brak\$4 and resistor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 01:11
S11 6	90	318/801.ccls. and brak\$4 and resistor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 01:11
S11 8	174	318/801 and brak\$4 and resistor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 17:34
S11 9	15	318/801 and brak\$4 and resistor and relay and ((short\$4 adj2 circuit\$4) short\$4) and (overcurrent (over\$2 adj2 current) (excess\$4 adj2 current))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 17:36
S12 1	2	("6900606").URPN.	USPAT	OR	ON	2007/02/02 17:38
S12 0	8	318/801 and brak\$4 and resistor and relay and ((short\$4 adj2 circuit\$4) short\$4) and (overcurrent (over\$2 adj2 current) (excess\$4 adj2 current)) and ((brak\$4 break\$4 short\$4 (short\$4 adj2 circuit\$4) (over\$2 adj2 current) overcurrent) near4 resistor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 17:39
S12 2	7	318/801 and brak\$4 and resistor and relay and ((short\$4 adj2 circuit\$4) short\$4) and (overcurrent (over\$2 adj2 current) (excess\$4 adj2 current)) and ((brak\$4 break\$4 short\$4 (short\$4 adj2 circuit\$4) (over\$2 adj2 current) overcurrent) near4 resistor) and (speed velocity acceleration)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 17:49

## EAST Search History

S12 4	10	S123 and brak\$4 and resistor and relay and ((short\$4 adj2 circuit\$4) short\$4) and (overcurrent (over\$2 adj2 current) (excess\$4 adj2 current)) and ((brak\$4 break\$4 short\$4 (short\$4 adj2 circuit\$4) (over\$2 adj2 current) overcurrent) near4 resistor) and (speed velocity acceleration)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 17:51
S12 6	18	S125 not S124	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 17:52
S12 5	28	S123 and (break\$4 brak\$4) and resistor and ((short\$4 adj2 circuit\$4) short\$4) and (overcurrent (over\$2 adj2 current) (excess\$4 adj2 current)) and ((brak\$4 break\$4 short\$4 (short\$4 adj2 circuit\$4) (over\$2 adj2 current) overcurrent) near4 resistor) and (speed velocity acceleration)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 17:57
S12 7	18	S123 and (break\$4 brak\$4) and resistor and ((short\$4 adj2 circuit\$4) short\$4) and (overcurrent (over\$2 adj2 current) (excess\$4 adj2 current)) and ((brak\$4 break\$4 short\$4 (short\$4 adj2 circuit\$4) (over\$2 adj2 current) overcurrent) near4 resistor) and (speed velocity acceleration) and ((duty\$2 adj2 (period cycle)) (puls\$2 adj2 width))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 17:58
S12 9	17	S128 not S124	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 17:59
S12 8	24	S123 and (break\$4 brak\$4) and resistor and ((short\$4 adj2 circuit\$4) short\$4) and (overcurrent (over\$2 adj2 current) (excess\$4 adj2 current)) and ((brak\$4 break\$4 short\$4 (short\$4 adj2 circuit\$4) (over\$2 adj2 current) overcurrent) near4 resistor) and (speed velocity acceleration) and ((duty\$2 adj2 (period cycle)) (puls\$2 adj2 width) frequency pwm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 18:06

## EAST Search History

S13 0	30	S123 and (break\$4 brak\$4) and resistor and ((short\$4 adj2 circuit\$4) short\$4) and (overcurrent overvoltage (over\$2 adj2 voltage) (excess\$4 adj2 voltage)(over\$2 adj2 current) (excess\$4 adj2 current)) and ((brak\$4 break\$4 short\$4 (short\$4 adj2 circuit\$4) (over\$2 adj2 votlage) overvoltage (over\$2 adj2 current) overcurrent) near4 resistor) and (speed velocity acceleration) and ((duty\$2 adj2 (period cycle)) (puls\$2 adj2 width) frequency pwm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 18:08
S12 3	2165	(318/612,614,703,741,742,757-760, 371,362,370,372,375).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/02/02 18:11
S13 4	3166	S133 not S123	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/02 18:14
S13 3	5331	(318/612,614,703,741,742,757-761, 371,362-382,56,57,60,63,86,87,88, 134,765,258,261,269,673).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/02/02 18:14
S13 2	30	S123 and (break\$4 brak\$4) and resistor and ((short\$4 adj2 circuit\$4) short\$4) and (overcurrent overvoltage (over\$2 adj2 voltage) (excess\$4 adj2 voltage)(over\$2 adj2 current) (excess\$4 adj2 current)) and ((brak\$4 break\$4 short\$4 (short\$4 adj2 circuit\$4) (over\$2 adj2 votlage) overvoltage (over\$2 adj2 current) overcurrent) near4 resistor) and (speed velocity acceleration) and ((duty\$2 adj2 (period cycle)) (puls\$2 adj2 width) frequency pwm modulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 18:14
S13 1	6	S130 not (S128 S124)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 18:15
S13 8	16	S135 not S137	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/02 18:18
S13 9	1	"6938555"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/02 18:19
S14 2	1	"20030127289"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/02 18:20

## EAST Search History

S14 0	22	"4426606"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/02 18:20
S14 3	5	((("6663187") or ("4929030") or ("3005906") or ("3499330")).PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/02/02 18:22
S14 1	3	"6690137"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/02 18:22
S13 5	21	S134 and (break\$4 brak\$4) and resistor and ((short\$4 adj2 circuit\$4) short\$4) and (overcurrent overvoltage (over\$2 adj2 voltage) (excess\$4 adj2 voltage)(over\$2 adj2 current) (excess\$4 adj2 current)) and ((brak\$4 break\$4 short\$4 (short\$4 adj2 circuit\$4) (over\$2 adj2 votlage) overvoltage (over\$2. adj2 current) overcurrent) near4 resistor) and (speed velocity acceleration) and ((duty\$2 adj2 (period cycle)) (puls\$2 adj2 width) frequency pwm modulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 18:23
S13 6	21	S135 not (S130 S128 S124)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 18:25
S14 6	0	"3." and relay	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/02 18:26
S13 7	5	S135 and relay	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/02 18:26
S14 7	65	S145 and relay	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/02 19:28
S14 8	54	S145 not S147	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/02 19:45

## EAST Search History

S14 9	229	"318"/\$.ccls. and ((dynamic regenerat\$4) near4 (break\$4 brak\$4)) and resistor and ((short\$4 adj2 circuit\$4) short\$4) and (overcurrent overvoltage (over\$2 adj2 voltage) (excess\$4 adj2 voltage)(over\$2 adj2 current) (excess\$4 adj2 current)) and (speed velocity acceleration) and ((duty\$2 adj2 (period cycle)) (puls\$2 adj2 width) frequency pwm modulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 19:49
S15 0	131	S149 not (S144 S135 S119 S120 S121 S122 S124 S125 S130 S128 S124 S127 S128 S130 S132)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 19:51
S14 5	119	S144 not (S135 S119 S120 S121 S122 S124 S125 S130 S128 S124 S127 S128 S130 S132)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 19:51
S15 2	57	S150 not S151	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 20:01
S15 1	74	S150 and relay	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 20:01
S14 4	175	"318"/\$.ccls. and (break\$4 brak\$4) and resistor and ((short\$4 adj2 circuit\$4) short\$4) and (overcurrent overvoltage (over\$2 adj2 voltage) (excess\$4 adj2 voltage)(over\$2 adj2 current) (excess\$4 adj2 current)) and ((brak\$4 break\$4 short\$4 (short\$4 adj2 circuit\$4) (over\$2 adj2 votlage) overvoltage (over\$2 adj2 current) overcurrent) near4 resistor) and (speed velocity acceleration) and ((duty\$2 adj2 (period cycle)) (puls\$2 adj2 width) frequency pwm modulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 20:06
S15 3	1	(brak\$4 and resistor and overcurrent and speed and duty). clm.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/02 20:08
S15 5	5	"200204380"	EPO; DERWENT	OR	ON	2007/02/03 16:54

## EAST Search History

S15 4	22	"0204380"	EPO; DERWENT	OR	ON	2007/02/03 16:54
S15 6	3	"2002004380"	EPO; DERWENT	OR	ON	2007/02/03 16:55
S15 8	2	"6938555"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/03 16:56
S15 7	1	"6938555"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/03 16:56
S15 9	22	"4426606"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/03 17:21
S16 0	68	(US-20030127289-\$ or US-20030025469-\$ or US-20030223738-\$ or US-20040222761-\$ or US-20040155623-\$).did. or (US-3815002-\$ or US-5289100-\$ or US-4215305-\$ or US-4243927-\$ or US-5331267-\$ or US-3678355-\$ or US-4879639-\$ or US-4392098-\$ or US-3991352-\$ or US-5343134-\$ or US-6369538-\$ or US-3918552-\$ or US-6107761-\$ or US-6060851-\$ or US-5979194-\$ or US-5778703-\$ or US-6315081-\$ or US-5663627-\$ or US-5196656-\$ or US-4047083-\$ or US-5847533-\$ or US-6795287-\$ or US-5828192-\$ or US-5187419-\$ or US-5610493-\$ or US-4284936-\$). did. or (US-5306972-\$ or US-3962612-\$ or US-6841955-\$ or US-5893432-\$ or US-5319292-\$ or US-5914582-\$ or US-6429612-\$ or US-5146148-\$ or US-4426606-\$ or US-5710699-\$ or US-6078156-\$ or US-4039914-\$ or US-4295086-\$ or US-6166512-\$ or US-5291106-\$ or US-5982136-\$ or US-4739240-\$ or US-4767970-\$ or US-5466998-\$ or US-5376867-\$ or US-6487096-\$ or US-6938555-\$ or US-6768284-\$ or US-5933573-\$ or US-5764023-\$ or US-4804067-\$ or US-4661757-\$). did. or (US-6355987-\$ or US-4536847-\$ or US-6462976-\$ or US-3930191-\$ or US-4902954-\$ or US-3947740-\$ or US-5070290-\$ or US-6713979-\$ or US-4093900-\$). did. or (JP-01283079-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2007/02/03 17:24

## EAST Search History

S16 1	28	S160 and (speed velocity) and (overcurrent overvoltage (over\$2 adj2 current ) (over\$2 adj2 voltage))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/03 17:32
S16 2	6	((("5914582") or ("4426606") or ("4295086") or ("4284936") or ("6713979")).PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/02/03 17:35
S16 4	4	"2003050940"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/03 17:36
S16 3	1	"2003050940"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/03 17:36
S16 5	3	"2003050940"	EPO; DERWENT	OR	ON	2007/02/03 18:21